

AMENDED CLAIMS FOR OZ 49521

14. (amended) A precatalyst as claimed in claim 13 which comprises from 30 to 100% by weight of [a] the multimetal oxide [as claimed in claim 1], based on the total weight of the layer or layers applied in the form of a shell or shells.

16. (amended) A precatalyst as claimed in claim 13 whose shell-like layer comprises from 30 to 100% by weight, based on the total weight of this layer, of [a] the multimetal oxide [as claimed in claim 2] and wherein the multimetal oxide has a fibrous crystal morphology having a mean ratio of fiber diameter to fiber length of less than 0.6.

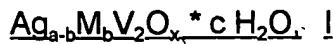
17. (amended) A precatalyst as claimed in claim 13 whose shell-like layer comprises from 30 to 100% by weight of [a] the multimetal oxide [as claimed in claim 3] and wherein the multimetal oxide has a specific surface area determined by the BET method of from 3 to 250 m²/g.

18. (amended) A precatalyst as claimed in claim 13, whose shell-like layer comprises from 30 to 100% by weight, based on the total weight of this layer, of [a] the multimetal oxide [as claimed in claim 6] and wherein the multimetal oxide has the formula



where a is from 0.6 to 0.9 and c is from 0 to 5.

20. (amended) A coated catalyst as claimed in claim 19 which has been produced using a multimetal oxide [as claimed in claim 1] of the formula I



where M is a metal selected from the group consisting of Li, Na, K, Rb,

Cs, Tl, Mg, Ca, Sr, Ba, Cu, Zn, Cd, Pb, Cr, Au, Al, Fe, Co, Ni and/or Mo,

- a is from 0.3 to 1.9 and
- b is from 0 to 0.5, with the proviso that the difference (a-b) .0.1 and
- c is from 0 to 20 and
- x is a number determined by the valence and amount of elements different from oxygen in the formula I,

which has a crystal structure giving an X-ray powder diffraction pattern which displays reflections at the lattice spacings d of 15.23 + 0.6, 12.16 + 0.4, 10.68 + 0.3, 3.41 + 0.04, 3.09 + 0.04, 3.02 + 0.04, 2.36 + 0.04 and 1.80 + 0.04 Å.

21. (amended) A coated catalyst as claimed in claim 19 which has been produced from a precatalyst [as claimed in claim 13] comprising an inert, nonporous support material and one or more layers applied thereto in the form of a shell or shells, wherein this/these shell-like layer or layers comprises/comprise a multimetal oxide of the formula I



where M is a metal selected from the group consisting of Li, Na, K, Rb, Cs, Tl, Mg, Ca, Sr, Ba, Cu, Zn, Cd, Pb, Cr, Au, Al, Fe, Co, Ni and/or Mo,

- a is from 0.3 to 1.9 and
- b is from 0 to 0.5, with the proviso that the difference (a-b) .0.1 and
- c is from 0 to 20 and
- x is a number determined by the valence and amount of elements different

Q1
Q2

from oxygen in the formula I.

which has a crystal structure giving an X-ray powder diffraction pattern which
displays reflections at the lattice spacings d of 15.23 + 0.6, 12.16 + 0.4, 10.68
+ 0.3, 3.41 + 0.04, 3.09 + 0.04, 3.02 + 0.04, 2.36 + 0.04 and 1.80 + 0.04 Å.